

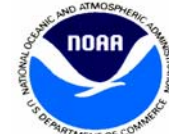
NOAA Fisheries Service - Northeast Regional Office



Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
Short Term Projects					
2000 Annual Projects Funding					
Gulf of Maine Aquarium	To Organize Seven One Day Workshops On Industry-Based Surveys And Study Fleets	To plan and facilitate a series of seven coastwide meetings involving fishermen, scientists and interested public to discuss the science and logistics and implementation of NMFS sentinel study fleets.	Don Perkins	\$24,690	01-Feb-01
Undersea Research Foundation	Correlation of Silver Hake abundance with bottom water temp's/stock ID using Microsat DNA	To study the correlation between whiting abundance and bottom water temperatures in the mid-Atlantic Bight. The project will also investigate stock structure of whiting in the Gulf of Maine, Georges Bank and the mid-Atlantic Bight using genetic techniques.	Bill Phoel	\$79,916	22-Oct-01
Manomet Center for Conservation Science	A Proposal To Conduct A Series of Scoping Meetings To Discuss Bycatch Reduction Techniques With Fisherman And The Fishing Industry	Series of meetings with industry to discuss bycatch reduction techniques.	Chris Glass	\$76,743	22-Oct-01
Maine DMR	Develop a Whiting fishery in GOM that Meets Conservation Goals for Size Selectivity and Bycatch	Design a Whiting net testing two different cod ends that will produce acceptable levels of by-catch. Video footage will be used to view interaction between the gear and fish, and gear and the bottom.	Daniel Schick	\$201,732	31-Dec-02
MIT Sea Grant	Establishing a Groundfish study fleet to improve stock assessments	Evaluate hardware and suitability to various gear types, provide sample data for evaluation by fish managers and prepare recommendations on the use of electronic reporting.	Cliff Goudey	\$137,000	22-Oct-01
Maine DMR	Gulf of Maine Inshore Trawl Survey	Conduct inshore trawl survey of groundfish; input from fishermen develop and test survey design, identify suitable trawl areas, reduce gear conflict, collect biological data.	Linda Mercer	\$503,301	31-Jul-02
Maine DMR	Testing Bycatch in an Observer Based Experimental Shrimp Fishery conducted in an area of higher groundfish concentration	Determine if shrimp fishery can occur and comply with 5% bycatch. Secondly, provide economic opportunity by expanding fishing area.	Daniel Schick	\$152,334	22-Oct-01
SMAST, UMass-Dartmouth	The Effects of Mesh Size and Shape on Size of Selectivity in the Multispecies Fishery	Testing different mesh shapes and excluder devices on species and size selectivity in multispecies fishery.	Daniel Georgianna	\$122,700	03-Nov-01

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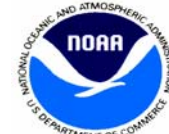
Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
New England Aquarium	Strategic Planning to Design a Collaborative Cod Tagging Program	Hold planning meetings and produce a report to design a cod tagging program.	Marjorie Mooney-Seus	\$110,786	28-Sep-01
Boat Kathleen A. Mirarchi, Inc.	Near term observations of the effects of smooth bottom net trawl fishing gear on seabed	Assess short term changes in benthic communities, sediment surface characteristics, water column parameters, fish and stomach contents from trawling.	Frank Mirarchi	\$150,990	28-Sep-01
SMAST, UMass-Dartmouth	A High-Resolution Industry-Conducted Fishery Resource Survey	Train boat crews on how to collect science data, analysis of gear specific CPUE, hi-resolution fish abundance maps, and environmental data.	Brian Rothschild	\$570,088	28-Sep-01
2000 Total:				\$2,130,280	

2001 Annual Projects - Multi Tiered Topics

Maine DMR	Gulf of Maine Inshore Trawl Survey; ME/NH Inshore Trawl Survey	Establish foundation for strong long-term fishery independent monitoring program of nearshore waters of the GOM.	John Sowles	\$332,455	30-Jun-03
Mass DMF	Monkfish Cooperative Research Project: Gillnet Survey & "Study Fleet"	Industry based survey using commercial gillnet fishermen. Develop a standardized index of stock from trawl and gillnet logbooks.	David Pierce	\$290,445	31-Dec-03
Mass DMF	Expanding the Use of the Sweepless Raised Footrope Trawl in Small-Mesh Whiting Fisheries	Monitor in real time, experimental small mesh, RFT fishery in waters east of Cape Cod, for adoption of the sweepless RFT in experimental fisheries and seasonal Whiting fishery.	Michael Pol	\$60,113	30-Sep-03
University of New Hampshire	Soft Species Separation System for the New England Multispecies Fishery	Design and test in flume tank and sea trials, for a soft species separation system, to separate groundfish from flat fish.	Pingguo He	\$297,874	30-Apr-05
University of New Hampshire	Development of a Fishermen-Designed Electronic Logbook System for the Northeast Multispecies Fishery	Design and test an electronic logbook and data reporting system for groundfish vessels. System will be web-based & designed by fishermen.	Andrew Rosenberg	\$67,658	31-Mar-04

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Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
Boat Kathleen A Mirarchi	On-Going Study Expansion - Smooth Bottom Net Trawl Fishing Gear Effect on the Seabed: Investigation of Temporal and Cumulative Effects	IBS high-resolution sediment mapping in western GOM, ID biological communities associated with map, determine relationships between soft bottom and bio community, examine communities important to fish species and benthic bio community in soft bottom in heavily and lightly fished areas and determine cumulative impact of smooth bottom trawl net.	Francis J. Mirarchi	\$212,785	31-Oct-03
Manomet Center for Conservation Science	A collaborative Program to Assess Possible Temporal Access to Closed Area II: Targeting Yellowtail Flounder Without Significant Bycatch of Cod and Haddock	Document & analyze the quantity and composition of catch and bycatch of all species spatially and temporally, assess feasibility of a seasonal reopening of CA II for yellowtail, experimental fishery in CA II from July to Dec.	Chris Glass	\$500,000	30-Jun-04
			2001 Total:	\$1,761,330	

2002 Annual Projects - Conservation Engineering					
F/V Vincie N. Corp.	Gloucester MA Trawl Selection Study	Gloucester MA Trawl Selectivity Study	Joseph Novello	\$135,027	31-Mar-04
Manomet Center for Conservation Science	A Collaborative Program to Test the Use of a Cod/Haddock Separator Panel in Trawl Nets	Demonstrate a solution to reduce fishing mortality of Georges Bank cod, while allowing a fishery for Georges Bank haddock, by use of a horizontal separation panel in trawl gear.	Chris Glass	\$273,000	31-Mar-05
Manomet Center for Conservation Science	Improving the Selective Efficiency of Trawl Gear with Escape Windows and Visual Stimuli	To investigate the effectiveness of two escape windows, with and without visual stimulus to reduce bycatch and discards in the Gulf of Maine groundfish fishery.	Chris Glass	\$174,956	01-Jul-05
University of New Hampshire	Codend Mesh Selectivity in the Gulf of Maine Multispecies Trawl Fishery	Determine fish retention in large mesh codends, compare mesh selectivity, discard rates, and mortality.	Pingguo He	\$246,341	31-Dec-05
Gulf of Maine Aquarium	Assessing the By-catch of Groundfish in the Monkfish Fishery	Document response behavior of monkfish to trawl gear modification, and design a net to reduce monkfish bycatch.	Laura Taylor Singer	\$147,920	30-Jun-04
F/V Ocean Reporter and Allan Michael & Associates	Development of Video Techniques for Bycatch Reduction Studies	Develop and test underwater video gear to study fish behavior, reduce bycatch in targeted species, and make available to fisherman for education of their gear.	Captain Bill Lee	\$67,060	01-Feb-04

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Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
University of Rhode Island and F/V Grandville Davis and RIDEM	Characterization of Bycatch Reduction from Codend Mesh Size Increases in the Directed Scup Bottom Trawl Fishery	Characterize and evaluate bycatch in directed bottom trawl scup fishery with current standard mesh and 2 experimental mesh sizes.	David Beutel	\$48,898	01-Oct-03
2002 Total:				\$1,093,202	

2003 Annual Projects - Habitat

Versar Inc.	Development of Species Specific Essential Habitat Indices Using Biological and Habitat Data Collected Using Remote Sensing	Use a group of mid-Atlantic ocean trawl vessels to develop integrated biological/physical indices of EFH for harvestable life stages of one or two demersal federally-managed fish species. Indices will be developed from data acquired using video bottom mapping and sediment profiling of physical and biological features of the seafloor.	Jon Volstad	\$296,025	25-Mar-05
Manomet Center For Conservation Sciences	Define Monkfish Trawl Exemption Areas & Monkfish Trawl Gear That Will Reduce Groundfish Bycatch & the Frequency Of Deployment On Groundfish Habitat	Consulting with commercial trawl gear fisherman who fish in both the northern and southern monkfish management areas. Drawing on the expertise and recommendation of both, work will be done to monkfish trawl gear designed to reduce bycatch and the frequency of use on groundfish habitat .	Chris Glass	\$374,409	26-Mar-05
Massachusetts Fisherman's Partnership	Habitat - Dependent Catch Composition and Food Web Dynamics with Respect to long-term and Rolling Closures in Stellwagen Bank	An investigation inside the Western Gulf of Maine Closure of habitat dependant effects of trawling versus trawling exclusion on groundfish assemblages, and on the ways that exploited groundfish species function in the food web.	David Bergeron	\$250,000	29-Sep-05
SMAST / Umass Dartmouth	Video Examination Of The Continuous Change In The Habitats Of Closed Areas Of Georges Bank	Examine scallop abundance, size, spatial distribution & association of macroinvertebrate benthic community & substrate in closed areas of Georges Bank.	Kevin Stokesbury	\$99,910	30-Sep-04

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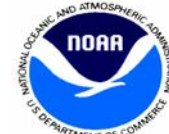


Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
Allan Michael	An Industry-Based Characterization of Essential Fish Habitat in the Western Gulf of Maine	Hold meetings with fishermen about Essential Fish Habitat (EFH), to select two areas in GOM, one in closed area one in open ocean, characterize EFH, identify features that make area an EFH.	Allan Michael	\$193,700	27-Mar-05
GOM Research Institute	Identification of Juvenile Groundfish Habitat within Nearshore Waters of GOM	ID juvenile habitat usage patterns for cod and other demersal species. Examine habitat type, depth, season on juvenile growth condition and survival and abundance of predators / predation.	Jonathon Grabowski	\$257,607	29-Sep-05
GOM Research Institute	Assessment of Benthic Community Recovery in the Western Gulf of Maine Closed Area	Provide practical information to managers and fishermen about effects of mobile fishing gear on bottom habitat & use of closed areas as short term management tools.	Laura Taylor-Singer	\$155,565	29-Mar-05
Cape Cod Commercial Hook Fishermen's Assoc.	Reproductive Life History and Essential Fish Habitat Mapping of Western Georges Bank Cod: GIS mapping of eggs, larvae and juvenile cod	Establish relationship between fishermen and scientists to collect data relating to fall spawning.	Paul Parker	\$257,167	30-Jun-05
Phoel Associates Inc	A Quantitative Assessment of Substrate changes due to Scallop Dredging in the New York Bight and Associated Recovery Rates	Quantitatively assess differences between depletion tows and control transect substrate of scallop beds, document recovery of dredged transect over 1 year.	William C. Phoel	\$73,345	30-Sep-05
Maine Department of Marine Resources	Identifying Habitat Association of Early Juvenile Cod in Nearshore Gulf of Maine Waters	Locate areas used by juvenile cod, map across gradients, collect habitat data, do multi-variate analyses to develop a predictable habitat model for juvenile cod.	Slide Moore	\$180,000	31-Dec-05
2003 Total:				\$ 2,137,728	

2004 Annual Projects - Special Access Programs (SAP)					
Umass Dartmouth SMAST	Cooperative, industry-based and scientifically controlled at-sea experiment to test the performance of a haddock-separator trawl in GB Closed Area I	Study the effect of three factors on net selectivity: 1) net type, 2) trawling time, 3) seasonal fish density.	Joachim Groeger	\$297,614	19-Sep-05
UNH Cooperative Extension	A Rope Separator Trawl for Haddock and Pollack using "B" Days-at-Sea in the Inshore Western Gulf of Maine	Use sea trials and flume tank to develop selective gear that will be available for use when Amendment 13 is implemented.	Pingguo He	\$214,585	19-Mar-06
GMRI	Examining the Efficacy of the Haddock Separator Trawl in Eliminating Cod Bycatch in Limited Areas within Closed Area I and Closed Area II	Monitor Closed Areas on a fine scale using a haddock separator trawl, over a 10 month period to determine seasonal fluctuations in groundfish abundance.	Laura Taylor-Singer	\$440,000	30-Mar-06

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Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
CC Commercial Hook Fishermen's Assoc.	Using Hook and Line to minimize cod bycatch in a directed haddock fishery on Georges Bank and in the Gulf of Maine	Use hook and line to target haddock in closed areas with minimal bycatch of cod.	Paul Parker	\$300,000	19-Mar-06
URI	Bycatch Reduction in the Directed Haddock Bottom Trawl Fishery	Examine the difference in bycatch between a large mesh faced bottom trawl and regular trawl net in reduction of cod and other bycatch.	David Beutel Jr.	\$422,000	19-May-06
Northeast Seafood Coalition	Feasibility of Successful "B Regular Day" Programs: Social, Enforcement, and Data Factors	Employ interviews and three stage focus groups to identify social, enforcement, and data factors potentially impacting "B Day" programs.	Jackie Odell	\$33,100	18-Sep-05
GMRI	Testing the Selectivity of Gillnets to Target Haddock in the Gulf of Maine	Document reaction and behavior of haddock and other groundfish to gillnets of differing mesh sizes and determine optimal configuration to maximize selectivity.	Laura Taylor-Singer	\$77,917	06-Sep-05

Other 2004 Funded Project

Maine DMR	Gulf of Maine Inshore Trawl Survey; ME/NH Inshore Trawl Survey	Establish foundation for robust long-term fishery independent monitoring program of nearshore waters of GOM.	John Sowles	\$249,999	30-Sep-05
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2004 Total: \$2,035,215

Long Term Projects

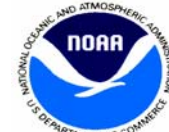
Industry-Based Resource Surveys (IBS)

Maine Department of Marine Resources	Development of a GIS for the Atlantic cod IBS	Develop web based GIS to present information collected from IBS- series of maps, charts and graphs describing cod life history, in a timely delivery format.	George LaPointe & Linda Mercer	\$139,000	30-Jun-05
Massachusetts Division of Marine Fisheries	Industry Based Survey Gulf of Maine Atlantic Cod Distribution	This survey will study aggregations of cod, monitor distribution of inshore stocks and spawning grounds, and provide greater detailed information for stock management purposes.	David Pierce & Bill Hoffman	\$1,854,351	31-Dec-05
Rhode Island Department of Environmental Management - Marine Fisheries	Industry Based Survey for SNE Yellowtail flounder Distribution	This survey will focus on deriving precise estimates of the abundance of SNE yellowtail flounder using intense sampling with industry designed "flatfish" trawls.	Mark Gibson & April Valiere	\$1,555,515	06-Jan-06

IBS Total: \$3,548,866

Atlantic Cod Tagging

NOAA Fisheries Service - Northeast Regional Office



Cooperative Research Partners Program - CRPP Projects

Organization Funded	Project Title	Project Description	Principal Investigator	Award Amount	End Date
Cape Cod Commercial Hook Fishermen's Assoc.	Tagging Cape's cod	Improve understanding of cod distribution in GOM and southern New England by deploying 20,000 tags.	Tom Rudolf	\$932,750	31-Mar-05
SMASST, UMass-Dartmouth	Level 1 Cod Tagging Program - Georges Bank	Tag cod in Cape Cod/Chatham and Great South Channel Georges Bank.	Brian Rothschild	\$570,844	01-Mar-05
ME Dept of Marine Resources and DFO	A tagging study of Atlantic cod in the GOM: Cashes Ledge & Fippenies Ledge and Mount Desert Island out to Brown's Bank	Cod tagging in the Gulf of Maine (off shore)	Kevin Kelly	\$889,368	30-Jun-05
Gulf of Maine Research Institute	Building the Infrastructure for a Successful Cod Tagging Program in the Gulf of Maine, Georges Bank, and Southern New England.	Coordination of Atlantic Cod Tagging Program	Shelly Tallack	\$1,138,103	31-Dec-05
Island Institute	Eastern Gulf of Maine Inshore Community Based Tagging of Atlantic Cod	Capture, tag, and C10release 5,000 cod in nearshore waters along ME coast, collect and process data.	Ben Neal	\$70,475	30-Jun-05

Atlantic Cod Tagging Total: **\$3,601,540**

Pilot Study Fleet					
Perot Government Systems (formally TPMC)	<u>Phase I:</u> Implementation of a Pilot Study Fleet- Working with Cape Cod Commercial Hook Fishermen's Assoc., Manomet, and Gulf of Maine Aquarium	Investigate and implement various electronic methods of improving delivery of federal fishery dependent data from harvesting vessels.	Carl Leoncello	\$1,915,946	31-Aug-04
Perot Government Systems (formally TPMC)	<u>Phase II:</u> Implementation of a Pilot Study Fleet- Working with Cape Cod Commercial Hook Fishermen's Assoc., Manomet, and Gulf of Maine Aquarium	Investigate and implement various electronic methods of improving delivery of federal fishery dependent data from harvesting vessels.	Carl Leoncello	\$906,248	30-Jun-05

Pilot Study Fleet Total: **\$2,822,195**

Total Northeast Regional Office, CRPI funded to date: \$19,130,356